

(19)



Europäisches Patentamt

European Patent Office

Office européen des brevets



(11)

EP 0 636 687 A3

(12)

## EUROPEAN PATENT APPLICATION

(88) Date of publication A3:

01.05.1996 Bulletin 1996/18

(51) Int Cl.<sup>6</sup>: C11D 3/37

(43) Date of publication A2:

01.02.1995 Bulletin 1995/05

(21) Application number: 94305448.6

(22) Date of filing: 22.07.1994

(84) Designated Contracting States:

BE DE FR GB IT NL

(30) Priority: 30.07.1993 GB 9315854

(71) Applicant: NATIONAL STARCH AND CHEMICAL LIMITED

Daventry, Northants NN11 1JL (GB)

(72) Inventors:

- Kimpton, Paul Terrance  
Daventry, Northants NN11 4JB (GB)

- Lager, Philip Ashley  
Rugby, Warks CV23 8XZ (GB)

- Salter, David Paul  
Hinkley, Leicestershire LE10 1LL (GB)

(74) Representative: Matthews, Heather Clare et al

Keith W Nash & Co  
Pearl Assurance House  
90-92 Regent Street  
Cambridge CB2 1DP (GB)

(54) Improvements in or relating to hydrotropes

(57) An aqueous composition, such as a household, industrial or institutional cleaning product, comprises electrolyte, surfactant and polymeric hydrotrope. The polymer preferably comprises (meth) acrylic acid and styrene, with a molecular weight in the range 1,000 to 1,000,000, and is substantially non cross-linked.

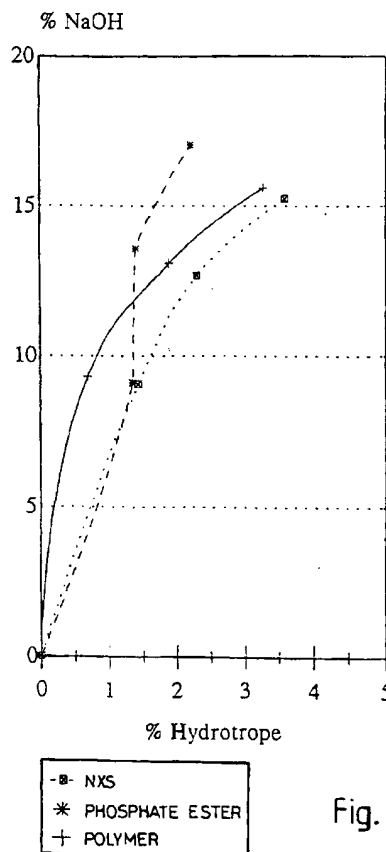


Fig. 3



European Patent  
Office

## EUROPEAN SEARCH REPORT

Application Number  
EP 94 30 5448

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
X	EP-A-0 237 075 (JOHNSON & SON INC S C)  * page 3, line 5-23 * * page 4, line 1-12 * * page 5, line 31-50 * ---	1-4, 11-17	C11D3/37
X	GB-A-1 068 554 (GENERAL ANILINE & FILM CORPORATION) * the whole document * ---	1-4, 11-18	
X	GB-A-2 237 813 (UNILEVER PLC)  * page 2, line 15-19 * * page 9, line 13-17; claims * ---	1,2, 11-18	
X	EP-A-0 368 214 (BASF AG)  * page 11, line 34-38 * * page 12, line 25-43; claims * ---	1-4, 11-17	
P,X	WO-A-94 03575 (UNILEVER PLC ;UNILEVER NV (NL)) * claims * ---	1	TECHNICAL FIELDS SEARCHED (Int.Cl.6)  C11D
A	DE-A-22 09 296 (JOHNSON & SON INC S C)  * claims * -----	1-4, 11-18	
The present search report has been drawn up for all claims			
Place of search BERLIN		Date of completion of the search 21 February 1996	Examiner Pelli Wablat, B
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ----- & : member of the same patent family, corresponding document	